

## **HALIL I. AVCI**

Manager, Radiological Health Risk Section  
Manager, Environmental Health Risk Section  
Environmental Science Division  
Argonne National Laboratory

### **Education:**

Ph.D.	University of Wisconsin-Madison, Nuclear Engineering, 1978
M.S.	University of Wisconsin-Madison, Nuclear Engineering, 1975
B.S.	University of Wisconsin-Madison, Nuclear Engineering, 1973

### **Professional Experience:**

1990–Present	Environmental Systems Engineer
1993–Present	Section Manager Environmental Science Division Argonne National Laboratory

As the Manager of the Radiological Health Risk Section and the Environmental Health Risk Section, supervises fifteen technical full time staff. As a technical staff member, directs or conducts projects related to environmental management of nuclear/industrial facilities and radioactive/hazardous materials. Recent major responsibilities include project leadership and management of the Depleted Uranium Hexafluoride Conversion Facility Environmental Impact Statements, technical direction of the Waste Management Programmatic EIS, and management of the Mixed Oxide Fuel Fabrication Facility EIS. A member of the Nine Mile Point, Palisades, Vermont Yankee, and Susquehanna License Renewal Supplemental EIS teams and the team working on the Update of the Generic Environmental Impact Statement for License Renewal of Nuclear Plants. Manager of Argonne's Technical Assistance Program for environmental review of applications for license renewal and new reactors. Project Team Lead for environmental review of the General Electric-Hitachi Global Laser Enrichment Facility License Application. Technical support to programmatic EISs on renewable energy development offshore on the Outer Continental Shelf and solar energy development in Southwest United States.

### **Summary of Previous Experience:**

1985–1989	Battelle Memorial Institute Office of Waste Technology Development Willowbrook, Illinois
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Principal investigator for the analysis of the postclosure performance of geologic repositories for the disposal of spent nuclear fuel and high-level waste. The project was conducted for the DOE's Repository Technology Program Office in Chicago.

1982–1985      Battelle Memorial Institute  
                    and      Battelle Columbus Laboratories  
1978–1980      Columbus, Ohio

As a research scientist, was the principal investigator and technical analyst for many activities related to assessment of the consequences of nuclear reactor accidents. Most of the projects were conducted for the Nuclear Regulatory Commission.

1980–1982      Nuclear Engineering Department  
                    Bogazici University  
                    Istanbul, Turkey

As an assistant professor, taught graduate and undergraduate courses in nuclear engineering and mathematics. Conducted research on industrial applications of radioisotopes. Supervised one master's thesis and took part in several master's thesis review committees.

1974–1978      Nuclear Engineering Department  
                    University of Wisconsin  
                    Madison, Wisconsin

As a research assistant, participated in the conceptual design of several large fusion reactors. Was actively involved in the blanket design and the materials and radiation damage aspects of these reactors. Doctoral thesis topic was related to the radiation damage problems in fusion reactor first structural walls.

**Research Interests:**

Environmental transport, human health effects, environmental compliance strategies  
Safety analysis, and sustainable development

**Professional Activities:**

Member, American Nuclear Society  
Member, Health Physics Society

**Other:**

Lecturer, Northwestern University, School of Continuing Studies, 2003 - Present  
(Courses taught: Analyzing Environmental Issues, Hazardous Waste Management,  
Environmental Impact Evaluation, and Energy and the Environment)

**Publications:**

Author and coauthor of more than 40 journal, report, and conference publications and presentations.